

"Express Mail" Mailing Label No. EL960828244US

PATENT APPLICATION  
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**METHOD AND APPARTUS FOR  
IMPLEMENTING A LOCK-FREE SKIP LIST  
THAT SUPPORTS CONCURRENT ACCESSES**

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**Inventor:** Paul A. Martin

20 **Related Application**

[0001] This application hereby claims priority under 35 U.S.C. §119 to U.S. Provisional Patent Application No. 60/456,792, filed on 21 March 2003, entitled "Practical Lock-Free Skip List," by inventor Paul A. Martin (Attorney  
Docket No. SUN-P9642PSP).

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**BACKGROUND**

**Field of the Invention**

[001] The present invention relates to the design of lookup structures  
30 within computer systems. More specifically, the present invention relates to a